

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in this application.

1. (Currently Amended) Energy generating system using sea waves, which includes at least one floating body (1), a ballast (2), a ballast chain or cable (3), at least one connecting cable or chain (4) between said ballast chain or cable (3) and said floating body (1), means for converting the movement of said floating body (1) into mechanical energy, at least one recovery device, situated inside said floating body (1) that permits recovery of said cable or chain (4) to its initial position during the descent of the wave, at least one device for converting said mechanical energy into energy other than mechanical energy, situated inside said floating body (1), and means for transmitting said energy to dry land or to a fixed structure, ~~characterised in that~~ wherein said floating body (1) is mounted on a structure (5), in that it includes at least one horizontal shaft (9) integral by its ends to said structure (5), and in that said means for converting the movement of said floating body (1) into mechanical energy include a moving housing (10) around which the connecting cable or chain (4) winds, with said housing (10) being mounted in rotating fashion in relation to said horizontal shaft (9), in such a way that it rotates under the action of said wound cable or chain (4).
2. (Currently Amended) Energy generating system according to Claim 1, ~~characterised in that~~ wherein said at least one device for converting the mechanical energy includes an electrical generator (15) and means for transmitting said mechanical energy to said generator (15).

3. (Currently Amended) Energy generating system according to Claim 2, ~~characterised in~~ that wherein said means of transmitting said mechanical energy to said generator (15) include an interior crown gear (12) attached so as to form part of the moving housing (10), a pinion (13) that meshes with said crown gear (12) and a multiplier (14) attached to said pinion (13).

4. (Currently Amended) Energy generating system according to Claim 1, ~~characterised in~~ that ~~it includes~~ further comprising at least two floating bodies (1) mounted on said structure (5) and at least two parallel horizontal shafts (9) integral by their ends to said structure (5), with the cables or chains (4) of said floating bodies wound in the opposite direction on the moving housings (10) of the floating bodies (1), in such a way that they rotate in opposite directions to one another due to the action of said wound cables or chains (4).

5. (Currently Amended) Energy generating system according to Claim 1, ~~characterised in~~ that wherein said recovery device includes a coil spring (11), said spring (11) being attached by one of its ends to the horizontal shaft (9) integral to the structure (5) and by another of its ends to the moving housing (10) of said floating body (1).

6. (Currently Amended) Energy generating system according to Claim 1, ~~characterised in~~ that wherein said structure (5) includes at least one profile parallel to said at least one horizontal shaft (9) and means for cleaning off the marine incrustations on the outer face of said moving housing (10), attached to said profile and to said structure (5).

7. (Currently Amended) Energy generating system according to Claim 6, ~~characterised in~~ that wherein said means for cleaning off the incrustations are scrapers.

8. (Currently Amended) Energy generating system according to Claim 1, ~~characterised in that it includes~~ further comprising at least one intermediate buoy (7) attached to said ballast chain or cable (3).

9. (Currently Amended) Energy generating system according to Claim 1, ~~characterised in that it includes~~ further comprising a plurality of modules (17), each of them formed of at least one floating body (1).

10. (Currently Amended) Energy generating system according to ~~Claims 8 and 9~~ claim 8, ~~characterised in that~~ wherein each module (17) is formed by at least said floating body (1) and by at least said intermediate buoy (7) attached to said ballast chain or cable (3).

11. (Currently Amended) Energy generating system according to ~~Claims 1 or 6~~ claim 1, ~~characterised in that~~ wherein said structure (5) includes means for guiding said connecting cable or chain (4).